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ETHEWNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.

: 10/510.641

Applicant

: Khim Hong NG et al.

Filed/371 date

: March 4, 2005

TC/A.U.

: 2812

Examiner

Docket No.
Customer No.

: 3225-103 : 06449

Confirmation No.

: 2900

REQUEST FOR CORRECTED FILING RECEIPT

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

Please issue a corrected filing receipt and Notice of Acceptance for the above-referenced application. The Official Filing Receipt and Notice of Acceptance has the 371 date listed as October 8, 2004, however the declaration for this application was not filed until the second submission dated March 4, 2005. Therefore the 371/Date of Acceptance should be March 4, 2005 when all requirements under U.S.C. 371 (c)(1), (2) and (4) were met.

Copies of the previously filed transmittals (PTO-1390), and post card receipts of each submission are enclosed. Also enclosed are copies of the filing receipt and notice of acceptance documents with the corrections to be made marked in ink for your reference.

Respectfully submitted,

Ву

G. Franklin Rothwell

Attorney for Applicants
Registration No. 18,125

ROTHWELL, FIGG, ERNST & MANBECK, p.c.

Suite 800, 1425 K Street, N.W.

Washington, D.C. 20005 Telephone: (202)783-6040



APPL NO.

ITTER SEATTING PATENT AND TRADEMARK OFFICE

FIL FEE REC'D

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450

Alexandra, Virginia 22313-1450 www.uspto.gov						
ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS			

10/510,641 -10/08/2004 2812

1206 3225-103

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03/04/2005

FILING OR 371

(c) DATE

6449 ROTHWELL, FIGG, ERNST & MANBECK, P.C. 1425 K STREET, N.W. SUITE 800 WASHINGTON, DC 20005

ART UNIT

CONFIRMATION NO. 2900 FILING RECEIPT

Date Mailed: 03/01/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Khim Hong Ng, Singapore, SINGAPORE; Yeow Keong Ng, Singapore, SINGAPORE; Kar Hwee Koh, Singapore, SINGAPORE;

Assignment For Published Patent Application

Systems on Silicon Manufacturing Co. PTE. LTD., Singapore, SINGAPORE

Power of Attorney: The patent practitioners associated with Customer Number 6449.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/SG03/00011 01/20/2003

Foreign Applications

Projected Publication Date: 06/02/2005

Non-Publication Request: No

Early Publication Request: No

BOTHER 3225-103

(V)

MAR - 4 2005

GFR UJM

Title

Titanium underlayer for lines in semiconductor devices

Preliminary Class

438

LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

U.S. APPLICATION NUMBER NO. FIRST NAMED APPLICANT ATTY. DOCKET NO.

10/510,641 Khim Hong Ng 3225-103

3225-105

INTERNATIONAL APPLICATION NO.

PCT/SG03/00011

I.A. FILING DATE PRIORITY DATE

01/20/2003

CONFIRMATION NO. 2900

371 ACCEPTANCE LETTER

OC000000015256194

6449
ROTHWELL, FIGG, ERNST & MANBECK, P.C.
1425 K STREET, N.W.
SUITE 800
WASHINGTON, DC 20005

Date Mailed: 03/01/2005

NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.495

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

03/04/2005

03/64/2005 -10/08/2004-

DATE OF RECEIPT OF 35 U.S.C. 371(c)(1), (c)(2) and (c)(4) REQUIREMENTS

DATE OF COMPLETION OF ALL 35 U.S.C. 371 REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. THE DATE APPEARING ON THE FILING RECEIPT AS THE "FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 (c)(1), (c)(2) and (c)(4) REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE. The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363). Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- Copy of the International Application filed on 10/08/2004
- Copy of the International Search Report filed on 10/08/2004
- Copy of IPE Report filed on 10/08/2004
- Preliminary Amendments filed on 10/08/2004
- Information Disclosure Statements filed on 10/08/2004
- Oath-or-Declaration-filed-on-10/08/2004
- Request for Immediate Examination filed on 10/08/2004
- U.S. Basic National Fees filed on 10/08/2004
- Assignment filed on 10/08/2004
- Power of Attorney filed on 10/08/2004

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

LAMONT M HUNTER
Telephone: (703) 308-9140 EXT 201

PART 1 - ATTORNEY/APPLICANT COPY

FORM PCT/DO/EO/903 (371 Acceptance Notice)

	OLLOWING: Description	No.	X	Description	No.
X	Form PTO-1390	1 2	X	Copy of Published Int'l application	24
X	Tinventor(s) Declaration	1		Copy of PCT Request	1
X	Information Disclosure Statement (IDS)	1		Copy of PCT Demand	-
$\frac{\Lambda}{X}$	PTO 1449 w/ 1 encl. /	1		Copy of International Prelia Exam Rot (SER)	
$\frac{\Lambda}{X}$	Copy of International Search Report (ISR)	3		Copy of PCT/IN/301	+
$\frac{\Lambda}{X}$	Assignment & Recordation Cover Sheet	2]	Copy of PCT/IN/304	
$\frac{x}{x}$	Application Data Sheet	2]	Copy of PCT/IN/308	+
$\frac{x}{x}$	Preliminary Amendment	6	<u> </u>	Copy of PCT/IN/332 QCT 0 8 2004 57	┼──┤
	Substitute Specification w/ marked and clean copy		<u></u>	\z S)	+1
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ΑT	TORNEY DOCKET NO.: 3225-103			ATTORNEY/ASSISTANT: GFR:vjm	
F-11	CT NAMED INVENTOR: NG et al				
TI	TLE:TITANIUM UNDERLAYER FOR LINES IN	SEMIC	ONDU	CTOR DEVICES 🗸	
INI	TERNATIONAL APPLICATION NO.: PCT/SG200	03/0000)11 ∀	FILED: January 20, 2003 V	
1111	I EKNATIONAL ATTEICATION ASSESSMENT			Date-Sta	mp Here

FORM PTO-1390 U.S. Department of Commerce Patent and Trademark Office			Attorney's Docket No.					
TRANSMITTAL LETTER TO THE UNITED STATES			3225-103					
DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. Application No. (if known, see 37 CFR 1.5)						
	CONCERNING A FILI	NG UNDER 35 U.S.C. 371	New Application					
11	TIONAL APPLICATION NO. 2003/000011	PRIORITY DATE CLAIMED						
	INVENTION UM UNDERLAYER FOR LIN	ES IN SEMICONDUCTOR DEVICES						
	NT(S)FOR DO/EO/US ong NG, Yeow Keong NG	and Kar Hwee KOH						
Applicant	herewith submits to the United Sta	ates Designated/Elected Office (DO/EO/US) the	following items and other information:					
1. [X]	This is a FIRST submission of	items concerning a filing under 35 U.S.C. 371						
2. []	This is a SECOND or SUBSEC	QUENT submission of items concerning a filing	under 35 U.S.C. 371.					
3. []	This is an express request to beg (5), (6), (9) and (21) indicated b	gin national examination procedures (35 U.S.C. pelow.	371(f)). The submission must include items					
4. []	The US has been elected (Artic	le 31).						
5. [X]	 5. [X] A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. [X] is attached hereto (required only if not communicated by the International Bureau). b. [] has been communicated by the International Bureau. c. [] is not required, as the application was filed in the United States Receiving Office (RO/US) 							
6. []	 An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. [] is attached hereto. b. [] has been previously submitted under 35 U.S.C. 154(d)(4). 							
7. [X]	 7. [X] Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. [] are attached hereto (required only if not communicated by the International Bureau). b. [] have been communicated by the International Bureau. c. [X] have not been made; however, the time limit for making such amendments has NOT expired. d. [] have not been made and will not be made. 							
8. []	An English language translation	of the amendments to the claims under PCT Ar	ticle 19 (35 U.S.C. 371(c)(3)).					
9-[-]	An oath or declaration of the inv	ventor(s) (35 U.S.C. 371(c)(4)).						
10. []	10. [] An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).							
ITEMS 11. TO 20. below concern other document(s) or information included:								
11. [X] 12. [X] 13. [X] 14. [X] 15. [] 16. [] 17. [] 18. []	An assignment document for rec A preliminary amendment. An Application Data Sheet unde A substitute specification. A power of attorney and/or addr A computer-readable form of the A second copy of the published A second copy of the English land		13 <i>ter</i> .2 and 35 U.S.C. 1.821-1.825)(4).					
LA J	20. [X] Other items or information: Copy of Published International Application (24 pgs.)							

U.S. APPLICATION NO. (If known, New Application	U.S. APPLICATION NO. (If known, see 37 CFR 1.50) INTERNATIONAL APPLICATION NO. PCT/SG2003/000011			ATTORNEY DOCKET NO. 3225-103	
21. [X] The following fees are submitted: Basic National Fee (37 CFR 1.492)(a)(1)-(5): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report Not Prepared by EPO or JPO				CALCULATIONS	PTO USE ONLY
	EN'	TER APPROPRIATE BAS	SIC FEE AMOUNT =	\$ 1,080.00	
Surcharge of \$130.00 for fur months from the earliest clai	mishing the oath or dimed priority date (37	eclaration later than [] 'CFR 1.492(e)).	20 [] 30	\$	·
Claims	Number Filed	Number Extra	Rate		т
Total Claims	27 -20 =	7	X \$18.00	\$ 126.00	
Independent Claims	2 - 3 =	0	X \$86.00	\$ 0	
Multiple dependent claim(s)) (if applicable)		+ \$290.00	\$	
		TOTAL OF ABOVE CA	ALCULATIONS =	\$ 1206.00	
Applicant claims small above are reduced by 1	cated	\$			
			SUBTOTAL =	\$	
Processing fee of \$130.00 fo months from the earliest clai	[] 20 [] 30 +	\$			
		TOTAL N	ATIONAL FEE =	\$40.00 ·	
Fee for recording the enclose accompanied by an appropria				\$	
		TOTAL FE	ES ENCLOSED =	\$ 1246.00	
				Amount to be refunded	\$
A duplicate cop	over the above fees. required, or credit any petition to revive (37				
SEND ALL CORRESPOND	PENCE TO:		G. F. Signature	Lorenzel	
Customer No. 6449			G. Franklin Rothwo	ell	
G. Franklin Rothwell Rothwell, Figg, Ernst & Manbec	ek		Name		
1425 K St., N.W. Washington, D.C. 20005 Phone: 202/783-6040	18,125 Registration Number				

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FORM	PTO-1390 U.S. Department of Commerce Pater	Attorney's Docket No.								
	TRANSMITTAL LETTER	3225-103								
DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. Application No. (if known, see 37 CFR 1.5)								
		10/510,641								
INTER PCT/	RNATIONAL APPLICATION NO. SG03/000011	PRIORITY DATE CLAIMED								
	TITLE OF INVENTION TITANIUM UNDERLAYER FOR LINES IN SEMICONDUCTOR DEVICES									
	CANT(S) FOR DO/EO/US Hong NG et al.									
Applic	ant herewith submits to the United Sta	tes Designated/Elected Office (DO/EO/US) the	following items and other in C							
1.		s concerning a filing under 35 U.S.C. 371	of the state of th							
2. 🛛	This is a SECOND or SUBSEQUE	ENT submission of items concerning a filing ur	nder 35 U.S.C. 371							
3.	•	national examination procedures (35 U.S.C. 37								
4.	The US has been elected (Article 3									
5. 🗆										
6. 🗌										
7. 🗆										
8.	An English language translation of	the amendments to the claims under PCT Artic	le 19 (35 U.S.C. 371(c)(3)).							
9. X	An oath or declaration of the invent	or(s) (35 U+S C. 371(c)(4)).								
10. An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).										
ITEMS 11. TO 20. below concern other document(s) or information included:										
11.	12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. A preliminary amendment. 14. X A Supplemental Application Data Sheet under 37 CFR 1.76.									
16.	A power of attorney and/or address letter. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825 A second copy of the published international application under 35 U.S.C. 154(d)(4). A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).									
	[] RO/101 [] RO/105 [] ISA/210(ISR) [] IB/301 [] IB/304 [] IB/308 [] IB 401 [] IB/409(IPER) [] IB/416 [] Published Application WO/									

U.S. APPLICATION NO. (If known, see 37 CFR 1.50) 10/510, 641 The following fees are submitted:			PCT/SG03/00	INTERNATIONAL APPLICATION NO. PCT/SG03/000011			CKET NO.
21. Basic National Fee			220000			s	
22. Examination Fee If International Preliminary Examination Report prepared by USPTO and all claims satisfy					\$		
23. Search Fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority							
			тот	AL OF	21,22 and 23=	\$	
Additional sequence li \$250 for ea	fee for special sting or compact the compact of the	fication and drawings outer program listing 50 sheets of paper of	filed in paper over 10 filed in an electronic r r a fraction thereof.	0 sheet nedium	s (excluding). The fee is	\$	
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		Number Filed	Number Extra	R	late		
Total Claims		-20 =		X	\$50.00	\$	
Independent Cl		- 3 =		x	\$200.00	\$	
Multiple depen	dent claim(s)	(if applicable)		+	\$360.00	s	
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Applicant cl above are re	aims small er duced by 1/2	ntity status. See 37 C	FR 1.27. The fees inc	licated			
					UBTOTAL =	\$	
Processing fee o	f \$130.00 for	furnishing the Engli	sh translation later tha			\$	
the earliest claim	ed priority d	ate (37 CFR 1.492(f)).		+	\$	
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b. Please c A duplic The Corr to Depo	harge my De ate copy of the umissioner is sit Account I	posit Account No. 02 nis sheet is enclosed. hereby authorized to No. 02-2135. A dupli	ever the above fees is of 2-2135 in the amount of charge any additional icate copy of this shee	f \$ fees what is encl	to cove	uired, or credit any	
NULE: Where a or (b)) must be fi	in appropria led and grai	te time limit under ;	37 CFR 1.494 or 1.49 oplication to pending	5 has	been met, a	petition to peyive (67 CFR 1.13
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homas E. McKierna othwell, Figg, Ernst			\sim		E. McKiernan		
425 K St., N.W. /ashington, D.C. 20			· Na	ne			

Rothwell, Figg, Ernst & Manbeck , 1425 K St NW, Ste 800, Wash, DC 20005(202-783-6040)

PAT-PTO RECEIPT

TO BE DATE-STAMPED BY THE U.S. PATENT AND TRADEMARK OFFICE AS ACKNOWLEDGMENT OF RECEIPT BY IT OF THE FOLLOWING:

PTO-1390, Declaration (4 pages), Supplemental Application Data Sheet (2 pages)

X FEE(S) PAID: 130.00	X	CHECK V	DEP ACCT 02-2135
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IN REGARD TO

ATTORNEY DOCKET NO.: 3225-103	SERIAL NO.: 10/510,641 🗸	PATENT NO.:
FIRST-NAMED INVENTOR: NG et al.	FILING DATE: October 8, 2004	ISSUE DATE:
ATTORNEY/ASSISTANT: GFR:vjm	DUE DATE:	-

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Date-Stamp Here

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